EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6	"6493869".pn. "6314555".pn. "6256773".pn. "5819243".pn. "6275223".pn. "6195585".pn.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/06/04 19:08
S2	6	"20030061349" "20030009740" "20030009590" "20020129106" "20030061515" "20030037144"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/06/04 19:13
S3	50	("5699310" "20050120334" "6889158" "20040267485" "5267311" "5357354" "5565973" "5710926" "5812848" "5857103" "5999729" "6247146" "6253258" "6256738" "6324351" "6629313" "6832373" "6886161" "6993751" "20020169999" "20030182414" "20040215755" "20040237063" "20040243598" "20060031844" "20060041864" "20060080647" "20060130046" "5542024" "5933139" "6246404" "20050149582" "4924210" "5003466" "5329570" "5418964" "5467448" "5473680" "5485615" "5596738" "5613120" "5613101" "5623661" "5751941" "5752034" "5768510" "5781732" "5787449" "5786815" "5793965").pn.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/06/04 19:38
S4	227	concurren$5 with version with control$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/06/04 19:45
S5	11	concurren$5 adj3 version adj3 control$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/06/04 19:41
S6	114	concurren$5 adj1 version	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/06/04 19:41
S7	73	(concurrent adj1 versions adj1 system)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/06/04 19:47
S8	772	(version$3 adj5 configuration adj5 managem$5) (source adj1 code adj1 control$3)(concurrent adj1 versions) (visual adj1 source adj1 saft)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/06/05 11:51

S9	611	(source adj1 code adj1 control$3)(concurrent adj1 versions) (visual adj1 source adj1 saft)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/06/05 11:51
S10	573	(source adj1 code adj1 control$3)(concurrent adj1 versions adj1 system) (visual adj1 source adj1 saft)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB.	OR	ON	2007/06/05 11:52
S11	73	(concurrent adj1 versions adj1 system)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/06/06 12:52
S12	14	S11 and (multi$3 adj1(user developer))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/06/06 12:58
S13	9	S11 and (multi$3 adj1(user developer))with (modif$3 chang$3 edit$2)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/06/06 13:01
S14	46	(multi$3 adj1(user developer))with (modif$3 chang$3 edit$2)with (source adj5 code)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/06/07 17:40
S15	1	10/798915	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/06/06 17:38
S16	0	PVCS and (verdion adj1 manager)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/06/06 17:45
S17	41	PVCS and (version adj1 manager)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/06/06 17:59
S18	148	(version adj1 manager)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/06/07 11:24
S19	0	(version adj1 manager)and (test$3 with (modif$4 chang$3 edit$)adj10 code)with compar$4	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/06/07 11:28
S20	15	(version adj1 (control manag$5))and (test$3 with (modif$4 chang$3 edit$)adj10 code)with compar$4	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/06/07 11:29

EAST Search History

S21	124	clearcase	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/06/07 17:23
S22	16	clearcase and (compar$4 with result)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/06/07 17:24

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Terms used **Concurrent version control**   Found **54,437** of **203,282**

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Best 200 shown   Relevance scale ▢▭◨◪◼

1 Subverting the fundamentals sequence: using version control to enhance course   ◼
◈ management
Curtis Clifton, Lisa C. Kaczmarczyk, Michael Mrozek
March 2007 **ACM SIGCSE Bulletin , Proceedinds of the 38th SIGCSE technical
             symposium on Computer science education SIGCSE '07**, Volume 39 Issue 1
Publisher: ACM Press
Full text available: 📄 pdf(129.20 KB)   Additional Information: full citation, abstract, references, index terms

> Instructors of introductory courses face many challenges, not the least of which is dealing
> with a large volume of course materials and students with differing backgrounds. There
> are often too many administrative demands to have as much time for creative pedagogy
> as one would like. Team projects, and complex realistic projects in general, increase
> psychic demands, and conflicting schedules make creative collaboration with other
> instructors impossible. In order to address these issues, we need to ...
>
> **Keywords:** CS1, course management, fundamentals sequence, subversion, version
> control

2 Source-Navigator Version 4.2   ◼
Daniel Lazenby
January 2000 **Linux Journal**
Publisher: Specialized Systems Consultants, Inc.
Full text available: 🌐 html(17.02 KB)   Additional Information: full citation, index terms

3 Optimistic replication   ◼
◈ Yasushi Saito, Marc Shapiro
March 2005 **ACM Computing Surveys (CSUR)**, Volume 37 Issue 1
Publisher: ACM Press
Full text available: 📄 pdf(656.72 KB)   Additional Information: full citation, abstract, references, citings, index terms

> Data replication is a key technology in distributed systems that enables higher availability
> and performance. This article surveys optimistic replication algorithms. They allow replica
> contents to diverge in the short term to support concurrent work practices and tolerate
> failures in low-quality communication links. The importance of such techniques is

increasing as collaboration through wide-area and mobile networks becomes popular.Optimistic replication deploys algorithms not seen in tradition ...

Keywords: Replication, disconnected operation, distributed systems, large scale systems, optimistic techniques

4 Versioning and fragmentation: Managing versions of web documents in a transaction-time web server
Curtis E. Dyreson, Hui-ling Lin, Yingxia Wang
May 2004 **Proceedings of the 13th international conference on World Wide Web WWW '04**
Publisher: ACM Press

Full text available: pdf(238.32 KB)   Additional Information: full citation, abstract, references, citings, index terms

This paper presents a transaction-time HTTP server, called TTApache that supports document versioning. A document often consists of a main file formatted in HTML or XML and several included files such as images and stylesheets. A change to any of the files associated with a document creates a new version of that document. To construct a document version history, snapshots of the document's files are obtained over time. Transaction times are associated with each file version to record the version ...

Keywords: observant system, transaction time, versioning

5 A concurrency control theory for nested transactions (Preliminary Report)
C. Beeri, P. A. Bernstein, N. Goodman, M. Y. Lai, D. E. Shasha
August 1983 **Proceedings of the second annual ACM symposium on Principles of distributed computing PODC '83**
Publisher: ACM Press

Full text available: pdf(1.72 MB)   Additional Information: full citation, abstract, references, citings, index terms

Concurrency control is the activity of synchronizing transactions that access shared data. A concurrency control algorithm is regarded as correct if it ensures that any interleaved execution of transactions is equivalent to a serial one. Such executions are called serializable. Serializability theory provides a method for modelling and analyzing the correctness of concurrency control algorithms [BSW, Pa]. The concept of nested transaction has recently received mu ...

6 Group editing algorithms: Flexible notification for collaborative systems
Haifeng Shen, Chengzheng Sun
November 2002 **Proceedings of the 2002 ACM conference on Computer supported cooperative work CSCW '02**
Publisher: ACM Press

Full text available: pdf(204.44 KB)   Additional Information: full citation, abstract, references, citings, index terms

Notification is an essential feature in collaborative systems, which determines a system's capability and flexibility in supporting different kinds of collaborative work. In the past years, various notification strategies have been designed for different systems. However, the design of notification components has been ad hoc, and the techniques used for supporting notification have been application-dependent. In this paper, we contribute a flexible notification framework that can be used to desc ...

Keywords: collaborative system, concurrency control, group editor, notification, operational transformation

7 Concurrency control by transactions carrying states and preordering universioned entities

Mohan L. Ahuja, J. C. Browne

February 1988 **Proceedings of the 1988 ACM sixteenth annual conference on Computer science CSC '88**

Publisher: ACM Press

Full text available: ⬛ pdf(1.41 MB)   Additional Information: full citation, abstract, references, index terms

In this paper, we present a concurrency control protocol for databases with universioned entities; the database could be either centralized or distributed and may or may not have data replication. In this protocol, entities are assigned an order and whenever possible each transaction accesses entities in this order, entities that need not be accessed by a transaction may be skipped by the transaction, and out-of-order accesses are permitted at an additional cost. Also, each transaction carr ...

8 Workshop on Open Source Software Engineering (WOSSE): Learning/organizing in Linux: a study of the *spaces in between*

Maha Shaikh, Tony Cornford

May 2005 **ACM SIGSOFT Software Engineering Notes , Proceedings of the fifth workshop on Open source software engineering 5-WOSSE,** Volume 30 Issue 4

Publisher: ACM Press

Full text available: ⬛ pdf(206.16 KB)   Additional Information: full citation, abstract, references, index terms

We assume that open source communities or collectives are somewhat organized. we also assume that such collectives are capable of learning, and indeed do learn. However, it is far more difficult to say exactly where, when and how such learning occurs, or resulting (re-)organizing happens. Drawing on Clegg et al's [1] concept of learning and becoming this paper seeks to show, through a case study of the Linux discussion around version control software, how learning and organizing occur. The paper ...

Keywords: becoming, learning, linux, organizing, version control software

9 Research sessions: indexing and tuning: Transaction support for indexed summary views

Goetz Graefe, Michael Zwilling

June 2004 **Proceedings of the 2004 ACM SIGMOD international conference on Management of data SIGMOD '04**

Publisher: ACM Press

Full text available: ⬛ pdf(168.70 KB)   Additional Information: full citation, abstract, references

Materialized views have become a standard technique for performance improvement in decision support databases and for a variety of monitoring purposes. In order to avoid inconsistencies and thus unpredictable query results, materialized views and their indexes should be maintained immediately within user transaction just like indexes on ordinary tables. Unfortunately, the smaller a materialized view is, the higher the concurrency contention between queries and updates as well as among concurrent ...

10 The role of another spatial dimension in software visualization

Hideki Koike

July 1993 **ACM Transactions on Information Systems (TOIS),** Volume 11 Issue 3

Publisher: ACM Press

Full text available: ⬛ pdf(1.56 MB)   Additional Information: full citation, references, citings, index terms

Keywords: electric power control system, information visualization, parallel manipulator

11 Design and verification of the Rollback Chip using HOP: a case study of formal methods applied to hardware design
Ganesh Gopalakrishnan, Richard Fujimoto
May 1993 **ACM Transactions on Computer Systems (TOCS)**, Volume 11 Issue 2
Publisher: ACM Press

Full text available: pdf(2.52 MB)　　Additional Information: full citation, abstract, references, citings, index terms, review

The use of formal methods in hardware design improves the quality of designs in many ways: it promotes better understanding of the design; it permits systematic design refinement through the discovery of invariants; and it allows design verification (informal or formal). In this paper we illustrate the use of formal methods in the design of a custom hardware system called the "Rollback Chip" (RBC), conducted using a simple hardware design description language called "HOP&r ...

12 Technical papers: empirical studies II: Understanding and predicting effort in software projects
Audris Mockus, David M. Weiss, Ping Zhang
May 2003 **Proceedings of the 25th International Conference on Software Engineering ICSE '03**
Publisher: IEEE Computer Society

Full text available: pdf(1.25 MB)　Additional Information: full citation, abstract, references, citings, index terms
Publisher Site

We set out to answer a question we were asked by software project management: how much effort remains to be spent on a specific software project and how will that effort be distributed over time? To answer this question we propose a model based on the concept that each modification to software may cause repairs at some later time and investigate its theoretical properties and application to several projects in Avaya to predict and plan development resource allocation. Our model presents a novel ...

Keywords: defect prediction, effort estimation, project schedule, software changes

13 Concurrent development of software systems
M. Aoyama
July 1987 **ACM SIGSOFT Software Engineering Notes**, Volume 12 Issue 3
Publisher: ACM Press

Full text available: pdf(331.95 KB)　Additional Information: full citation, citings, index terms

14 CVS
Tom Morse
January 1996 **Linux Journal**
Publisher: Specialized Systems Consultants, Inc.
Full text available: html(12.45 KB)　Additional Information: full citation, abstract, citings, index terms

Version Control Beyond RCS: Ever have conflicts when more than one person works on

the same file?CVS offers a solution

15 Collaborative software engineering: CVS integration with notification and chat: lightweight software team collaboration

Geraldine Fitzpatrick, Paul Marshall, Anthony Phillips

November 2006 **Proceedings of the 2006 20th anniversary conference on Computer supported cooperative work CSCW '06**

Publisher: ACM Press

Full text available: 📄 pdf(291.75 KB)   Additional Information: full citation, abstract, references, index terms

Code management systems like Concurrent Version System (CVS) can play an important role in supporting coordination in software development, but often at some time removed from original CVS log entries or removed from the informal conversations around the code. The focus of this paper is one team's long term use of a solution where CVS is augmented with a lightweight event notification system, Elvin, and a tickertape tool where CVS messages are displayed and where developers can also chat with on ...

Keywords: CVS, awareness, chat, communication, event notification, interruptability, interruptibility, log analysis, software development

16 Concurrency control algorithms for multiversion database systems

Philip A. Bernstein, Nathan Goodman

August 1982 **Proceedings of the first ACM SIGACT-SIGOPS symposium on Principles of distributed computing PODC '82**

Publisher: ACM Press

Full text available: 📄 pdf(569.72 KB)   Additional Information: full citation, abstract, references, citings, index terms

Concurrency control is the activity of synchronizing operations issued by concurrently executing programs on a shared database. The goal is to produce an execution that has the same effect as a serial (noninterleaved) one. In a multiversion database system, each write on a data item produces a new copy (or version) of that data item. This paper presents a theory for analyzing the correctness of concurrency control algorithms for multiversion database systems. We ...

17 Experience papers: experiences with open source and legacy systems: A case study of a corporate open source development model

Vijay K. Gurbani, Anita Garvert, James D. Herbsleb

May 2006 **Proceeding of the 28th international conference on Software engineering ICSE '06**

Publisher: ACM Press

Full text available: 📄 pdf(261.22 KB)   Additional Information: full citation, abstract, references, index terms

Open source practices and tools have proven to be highly effective for overcoming the many problems of geographically distributed software development. We know relatively little, however, about the range of settings in which they work. In particular, can corporations use the open source development model effectively for software projects inside the corporate domain? Or are these tools and practices incompatible with development environments, management practices, and market-driven schedule and f ...

Keywords: architecture, open source, session initiation protocol, software development

18 Two case studies of open source software development: Apache and Mozilla

July 2002 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 11 Issue 3

According to its proponents, open source style software development has the capacity to compete successfully, and perhaps in many cases displace, traditional commercial development methods. In order to begin investigating such claims, we examine data from two major open source projects, the Apache web server and the Mozilla browser. By using email archives of source code change history and problem reports we quantify aspects of developer participation, core team size, code ownership, productivit ...

Keywords: Apache, Mozilla, Open source software, code ownership, defect density, repair interval

19 <u>Using Web Service Technologies to Create an Information Broker: An Experience Report</u> ■

Mark Turner, Fujun Zhu, Ioannis Kotsiopoulos, Michelle Russell, David Budgen, Keith Bennett, Pearl Brereton, John Keane, Paul Layzell, Michael Rigby

This paper reports on our experiences with using theemerging web service technologies and tools to create ademonstration information broker system as part of ourresearch into information management in a distributedenvironment. To provide a realistic context we chose tostudy the use of information in the healthcare domain,and this context sets some challenging parameters andconstraints for our research and for the demonstrationsystem. In this paper we both report on the extent towhich existing we ...

20 <u>An integrated approach to version control management in computer supported collaborative writing</u> ■

Byong G. Lee, Kai H. Chang, N. Hari Narayanan